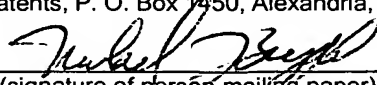


|  |   |   |
|--|---|---|
| FORM PTO-1390 (Rev 5-93) U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE   |   | ATTORNEY'S DOCKET NUMBER<br><b>ZAHFRI P847US</b>                      |
| TRANSMITTAL LETTER TO THE UNITED STATES<br>DESIGNATED/ELECTED OFFICE (DO/EO/US)<br>CONCERNING A FILING UNDER 35 U.S.C. 371   |   | U.S. APPLICATION NO. (If known, file 37 CFR 1.53)<br><b>107574726</b> |
| INTERNATIONAL APPLICATION NO.<br><b>PCT/EP2004/010295</b>  | INTERNATIONAL FILING DATE<br><b>September 15, 2004</b>  | PRIORITY DATE CLAIMED<br><b>October 13, 2003</b>                      |
| TITLE OF INVENTION<br><b>METHOD AND DEVICE FOR DETERMINING THE TORQUE ON GEAR SHAFTS</b>   |   |   |
| APPLICANT(S) FOR DO/EO/US<br><b>Karl-Fritz HEINZELMANN</b>   |   |   |
| Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:<br>1. <input checked="" type="checkbox"/> This is a <b>FIRST</b> submission of items concerning a filing under 35 U.S.C. 371.<br>2. <input type="checkbox"/> This is a <b>SECOND</b> or <b>SUBSEQUENT</b> submission of items concerning a filing under 35 U.S.C. 371.<br>3. <input checked="" type="checkbox"/> This express request to begin national examination procedures (35 U.S.C. 371(f)) at any time rather than delay examination until the expiration of the applicable time limit set in 35 U.S.C. 371(b) and PCT Articles 22 and 39(1).<br>4. <input checked="" type="checkbox"/> A proper Demand for International Preliminary Examination was made by the 19th month from the earliest claimed priority date.<br>5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2))<br>a. <input type="checkbox"/> is transmitted herewith (required only if not transmitted by the International Bureau).<br>b. <input checked="" type="checkbox"/> has been transmitted by the International Bureau. (PCT/IB/308 mailed <b>28 April 2005</b> ).<br>c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US)<br>6. <input checked="" type="checkbox"/> A translation of the International Application into English (35 U.S.C. 371(c)(2)), with original drawing(s), is attached.<br>7. <input checked="" type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))<br>a. <input type="checkbox"/> are transmitted herewith (required only if not transmitted by the International Bureau).<br>b. <input type="checkbox"/> have been transmitted by the International Bureau.<br>c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has <b>NOT</b> expired.<br>d. <input checked="" type="checkbox"/> have not been made and will not be made.<br>8. <input type="checkbox"/> A translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).<br>9. <input checked="" type="checkbox"/> An oath or declaration of the inventor (35 U.S.C. 371(c)(4)).<br>10. <input type="checkbox"/> A translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).<br><b>Items 11. to 16. below concern other document(s) or information included:</b><br>11. <input checked="" type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98 with PTO/SB/08a.<br>12. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.<br>13. <input checked="" type="checkbox"/> A <b>FIRST</b> preliminary amendment w/amended drawings & <b>new formal drawings</b> .<br><input type="checkbox"/> A <b>SECOND</b> or <b>SUBSEQUENT</b> preliminary amendment.<br>14. <input type="checkbox"/> A substitute specification w/Marked-Up Version of Amended Specification.<br>15. <input type="checkbox"/> A change of power of attorney and/or address letter.<br>16. <input checked="" type="checkbox"/> Other items or information:<br><input checked="" type="checkbox"/> Preliminary Examination Report<br><input checked="" type="checkbox"/> Annexes to Pre. Ex. Rep.<br><input checked="" type="checkbox"/> International Search Report<br><input checked="" type="checkbox"/> German Novelty Search Report<br><input checked="" type="checkbox"/> <u>9</u> copies of citations<br><input checked="" type="checkbox"/> Form PCT/IB/308<br><input checked="" type="checkbox"/> International Publ. No. <b>WO 2005/038421 A1</b> (Face page only)<br><input checked="" type="checkbox"/> Copy of Request<br><input type="checkbox"/> Submission of Formal Drawings<br><input type="checkbox"/> <u>2</u> sheets of formal drawings<br><input checked="" type="checkbox"/> Abstract<br><input type="checkbox"/> Applicant Claims Small Entity Status<br><input type="checkbox"/> Copy of Notification of File Missing Parts<br><input checked="" type="checkbox"/> German Language Specification |   |   |
| <b>CERTIFICATION UNDER 37 CFR 1.10</b>   |   |   |
| I hereby certify that this Transmittal Letter and the papers indicated as being transmitted therewith is being deposited with the United States Postal Service on this date <b>April 6, 2006</b> in an envelope as "Express Mail Post Office to Addressee" Mailing Label Number <b>EV 681474420 US</b> addressed to the: Mail Stop PCT, Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450.   |   |   |
| Michael J. BUJOLD<br>(typed or printed name of person mailing paper)   | <br>(signature of person mailing paper) |   |

|   |              |              |            |                           |              |
|---|--------------|--------------|------------|---------------------------|--------------|
| 17. ■ The following fees are submitted:<br><br><b>Basic National Fee (37 CFR 1.492(a)(5)):</b><br>Search Report has been prepared by the EPO or JPO ..... \$1000.00<br>International preliminary examination fee paid to USPTO (37 CFR 1.492)(a)(1) .. \$750.00<br>No international preliminary examination fee paid to USPTO (37 CFR 1.492)(a)(2)<br>but international search fee paid to USPTO (37 CFR 1.445(a)(2)). ..... \$790.00<br>Neither international preliminary examination fee (37 CFR 1.492)(a)(3)<br>nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO ..... \$1,110.00<br>International preliminary examination fee paid to USPTO (37 CFR 1.492)(a)(4)<br>and all claims satisfied provisions of PCT Article 33(1)-(4) ..... \$100.00<br><b>ENTER APPROPRIATE BASIC FEE AMOUNT =</b> |              |              |            | CALCULATIONS              | PTO USE ONLY |
|   |              |              |            | 900                       |              |
| Surcharge of \$130.00 for furnishing the oath or declaration later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 months<br>from the earliest claimed priority date (37 CFR 1.492(e)).  |              |              |            | 0                         |              |
| Claims  | Number Filed | Number Extra | Rate       |                           |              |
| Total Claims  | 7 - 20 =     | 0            | x \$ 50.00 | 0                         |              |
| Independent Claims  | 2 - 3 =      | 0            | x \$200.00 | 0                         |              |
| Multiple dependent claim(s) (if applicable)   |              |              | + \$360.00 | 0                         |              |
| <b>TOTAL OF ABOVE CALCULATIONS =</b>  |              |              |            | 900                       |              |
| Reduction by 1/2 for filing by small entity, if applicable. <b>Applicant Claims Small Entity Status.</b> (Note 37 CFR 1.9, 1.27, 1.28).   |              |              |            | 0                         |              |
| <b>SUBTOTAL =</b>   |              |              |            | 900                       |              |
| Processing fee of \$130.00 for furnishing the English translation later the <input type="checkbox"/> 20 <input type="checkbox"/> 30<br>months from the earliest claimed priority date (37 CFR 1.492(f)).  |              |              |            | 0                         |              |
| <b>TOTAL NATIONAL FEE =</b>   |              |              |            | 900                       |              |
| Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be<br>accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property   |              |              |            | 0                         |              |
| <b>TOTAL FEES ENCLOSED =</b>  |              |              |            | 900                       |              |
|   |              |              |            | Amount to be:<br>refunded | \$           |
|   |              |              |            | charged                   | \$           |

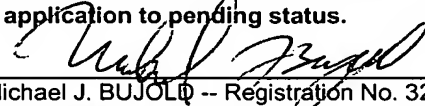
a. ■ A check in the amount of \$ 900.00 to cover the above fees is enclosed.

b. ☐ Please charge my Deposit Account No. 04-0213 in the amount of \$ \_\_\_\_\_ to cover the above fees.  
 A duplicate copy of this sheet is enclosed.

c. ■ The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to  
 Deposit Account No. 04-0213. A duplicate copy of this sheet is enclosed.

**NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status.**

SEND ALL CORRESPONDENCE TO:

  
 Michael J. BUJOLD -- Registration No. 32,018  
**CUSTOMER NO. 020210**  
 Davis & Bujold, P.L.L.C.  
 Fourth Floor  
 500 North Commercial Street  
 Manchester, NH 03101-1151  
 Telephone (603) 624-9220  
 Telefax (603) 624-9229

4/06/06

PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of : Karl-Fritz HEINZELMANN  
Serial no. :  
For : METHOD AND DEVICE FOR DETERMINING  
THE TORQUE ON GEAR SHAFTS  
Docket : ZAHFRI P847US

**MAIL STOP PCT**

The Commissioner for Patents  
U.S. Patent & Trademark Office  
P. O. Box 1450  
Alexandria, VA 22313-1450

**SUBMISSION OF PROPOSED DRAWING AMENDMENTS  
FOR APPROVAL BY EXAMINER (37 CFR 1.123)  
AND NEW REPLACEMENT SHEETS OF DRAWINGS**

Dear Sir:

Attached hereto please find a copy of Figs. 1, 2, 3 and 5 of the pending drawings with red ink markings showing the proposed changes to the drawings of this application for which the approval of the Examiner is requested. **Also enclosed is new Replacement Sheets of drawings which incorporate all of the requested drawing amendments.**

In the event that there are any fee deficiencies or additional fees are payable, please charge the same or credit any overpayment to our Deposit Account (Account No. 04-0213).

Respectfully submitted,



Michael J. Bujold, Reg. No. 32,018  
**Customer No. 020210**  
Davis & Bujold, P.L.L.C.  
Fourth Floor  
500 North Commercial Street  
Manchester NH 03101-1151  
Telephone 603-624-9220  
Facsimile 603-624-9229  
E-mail: patent@davisandbujold.com

ENGLISH TRANSLATION OF RELEVANCE INDICATED  
IN GERMAN SEARCH REPORT

- X: Publications that cast doubt on the novelty or invention level
- Y: Publications that together with other publications cast doubt on the invention level
- A: in general concerning the prior art, technological background
- O: non-written disclosure such as a post-published printed lecture publicly delivered prior to the application or priority date
- P: printed papers published during the priority interval
- T: post-published, non-conflicting publications concerning the theory of the invention object of the application which can be needed for better understanding of the invention or can show that the invention is based on train of ideas of facts that could be erroneous
- E: older applications pursuant to Art. 3, par. 2, Patent Law (in searches pursuant to Art. 43, Patent Law); older utility models pursuant to Art. 15, Utility Model Law (pursuant to Art. 7, Utility Model Law, in searches)
- D: publications already mentioned in the patent application
- L: publications mentioned for special reasons such as in relation to the publication date of a citation or in case of doubts as to the priority